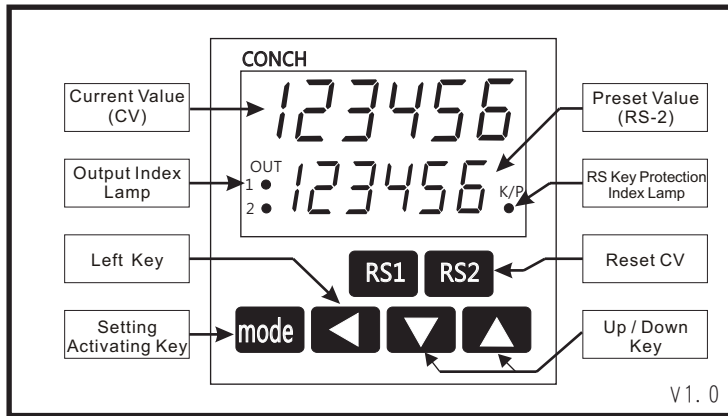


NCD-61K/62K User's Manual



Parameter Setting 1 (Press **mode** to activate.)

Display	Function Description	Level
PS-1	Prewarning Value PS-1: (not available for NCD-61K) To set OUT1 prewarning value. For multiple comparing output types, please see Section "Output Type". Range: 0 - 999999.	1
PS-2	Preset Value PS-2: To set OUT2 value. For multiple comparing output types, please see Section "Output Type". Range: 0 - 999999.	
tr	OUT2 Hold Time PS-2: (tr) To set the hold time OUT2 when output type is set at R, C or D. Range: 00.01 - 99.99	2
SCALE	Scaling: (SCALE) Formula: CV = Pulse x Scale Range: 00.01 - 99.99	
Pnt	Decimal Place: (Pnt) To change the decimal place of CV (non-related to the accuracy of CV). Range: 0 - 5 (Preset as 0).	
Cnt F	Input Frequency Limit: (Cnt F) To limit the max. Input speed of CP1 and Cp2 to fit the characteristic of different signal. Options: 20, 100, 300, 500, 2K, 10K Hz	
OUTPUT	Output Type: (OUTPUT) Options of multiple types of comparing output. NCD-62K: N, R, C, D, HH, LL, HL; NCD-61K: N, R, C, D, H, L.	
Cnt in	Counting Type: (Cnt In) UD: Count up / down. The input of CP1 and Cp2 is 90° quadrature. (signals from the encoder) UP: CP1 input (count up), CP2 disabled. DN: CP1 input (count down), Cp2 disabled.	

Parameter Setting 2 (Hold **mode** for 5 sec. to activate.)

Display	Function Description	Level
rs	Initial Value of Manual Return: (rs) To set the initial CV when reset. Press RS2 on the panel or external RS terminal. Range: 0 - 999999. (Preset: 000000)	3
GATE	Gate: (GATE) To disable or activate counting when OUT2 ON. Option: Yes / No (Preset: No)	
rs LCK	Lock RS2 Key: (RS LCK) To lock RS2 key to avoid from pressed accidentally. Yes = RS2 disabled, K/P Index Lamp lit. No = RS2 activated for resetting CV manually.	

Parameter Protecting Level 2 (Press **mode** + **▲** to activate.)

Display	Function Description
Protect	Parameter Protecting Settings: (PROTECT) 0: Disables all settings of parameters. 1: PS-1 & PS-2 are adjustable. 2: Parameters from PS-1 to OUTPUT are adjustable. 3: Opens "Parameter Setting 2" for adjustment. (Preset)

Note 1: To finish setting, hold **mode** for 2sec. It will also finish automatically after 15sec.

Note 2: If the output mode (OUTPUT) is set as HH, LL, or HL, the counting mode will change into up/down counting mode(UD).

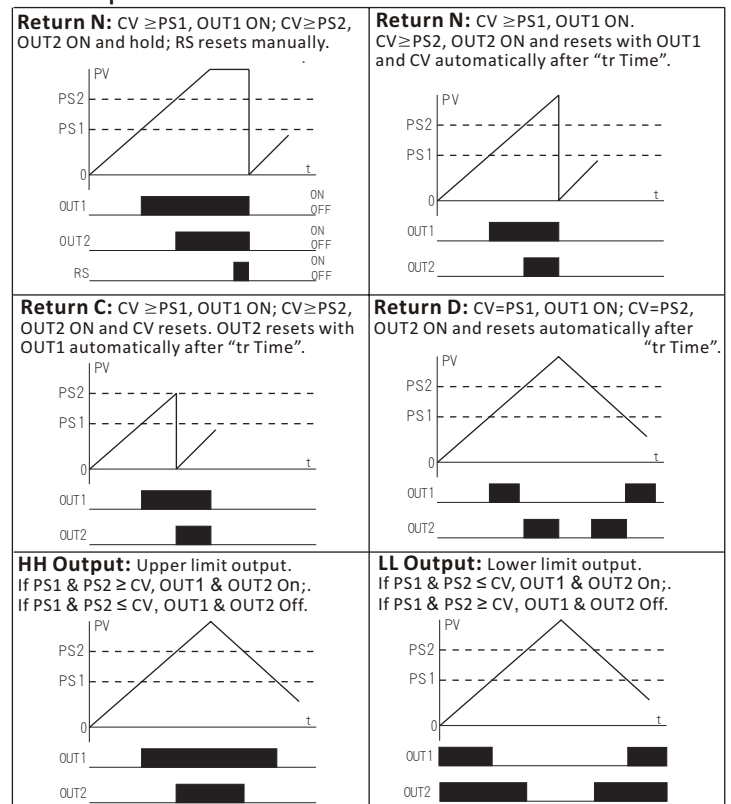
Specification

Power Supply	AC 100 - 240V, 50/60Hz
Power Consumption	11W Max.
Aux. Power	11mA @ +12V Max.
Input Frequency	10KHz Max. (multiple levels available)
Input Signal	Non-voltage contact or NPN pen collector input
Input Level	Residual voltage, Hi: 7.2V; Lo: 8.5V (approx.)
Input Imedance	4.7KΩ
Display	2 rows of 6-digit red LED display
Output	Relay contact(s), 3A/250V (resistive load)
Dimension	48 x 48mm; Cut-out: 45 x 45mm
Memory	EEPROM, lasts 10 years Min.
Operating Temp.	-10 ~ +50°C
Relative Humidity	35% ~ 85%
Storage Temp.	-25 ~ +65°C

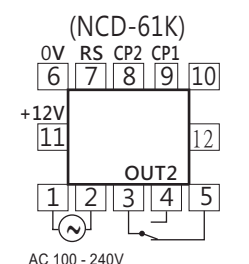
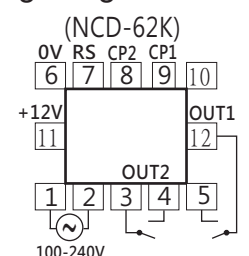
Reset

Press **RS2**, input NPN signals at Terminal RS, or Auto Reset under Return R or C mode, and CV will load RS value. If counting mode is set as DN (Count Down), CV will load the set value PS-2.

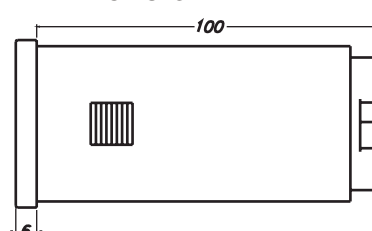
Output Modes



Wiring Diagram



Dimension



Conch Electronic Co., Ltd.
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